BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 20.00 Lakhs

Name of Work:- Construction of drains and concrete roads in Allalasandra in Ward no:04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	Foundation for RCC drain in temple road		1	90.00	0.70	0.70	44.10		
	3rd cross		1	81.00	0.70	0.70	39.69		
	2nd cross		1	55.00	0.70	0.70	26.95		
	For culverts		2	3.00	1.00	1.00	6.00		
							116.74	**264.60**	**30889.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	264.60							
2	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum							
	Foundation for RCC drain in temple road		1	90.00	0.70	0.15	9.45		
	3rd cross		1	81.00	0.70	0.15	8.51		
	2nd cross		1	55.00	0.70	0.15	5.78		
	For culverts		2	3.00	1.00	0.15	0.90		

			1	10.00	3.00	0.10	3.00		
			1	15.00	4.00	0.15	9.00		
							36.63	**4847.04**	**177547.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	For bed		1	90.00	0.70	0.15	9.45		
			1	81.00	0.70	0.15	8.51		
			1	55.00	0.70	0.15	5.78		
	Culverts		1	3.00	0.70	0.20	0.42		
	For sides		2	90.00	0.10	0.50	9.00		
			2	81.00	0.10	0.50	8.10		
			2	55.00	0.10	0.50	5.50		
	Culverts		4	3.00	0.25	0.50	1.50		
	deck slab for culverts		2	3.00	1.00	0.23	1.38		
							49.63	**6065.28**	**301020.00**
	Basic rate	5616.00							
	Add 8% AW	449.28							
	Total	6065.28							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2014-15,p.no17,s.no4.46)	Qtl							
	Total Qty 80 kg / cum						**39.70**		
							39.70	**7905.60**	**313884.00**
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							

5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm							
			4	90.00		0.50	180.00		
			4	81.00		0.50	162.00		
			4	55.00		0.50	110.00		
			8	3.00		0.50	12.00		
			2	3.00	0.60		3.60		
							467.60	**292.68**	**136857.00**
	Basic rate	271.00							
	Add 8% AW	21.68							
	Total	292.68							
6	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
			1	90.00	0.70		63.00		
			1	80.00	0.70		56.00		
			1	55.00	0.70		38.50		
	For missing slabs		55	0.60	0.90		29.70		
							187.20	**1245.00**	**233064.00**
7	KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12**								
			1	90.00	3.50	0.10	31.50		
			1	81.00	2.20	0.10	17.82		
			1	55.00	3.00	0.10	16.50		
			1	20.00	2.40	0.10	4.80		

			1	10.00	3.00	0.10	3.00		
			1	20.00	3.00	0.10	6.00		
			1	30.00	6.00	0.10	18.00		
			1	80.00	3.00	0.10	24.00		
			1	60.00	3.00	0.10	18.00		
	For damaged portion levelling course	L/S					10.00		
							149.62	**5327.64**	797121.00
	Basic Rate	4933.00	Administrative Sanction for Rs. 20.00 Lakhs						
	Area Weightage @ 8%	394.64	Twenty Lakhs only						
	Total	**5327.64**							
8	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker / Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications (Item no17.1,Page no 130, PWD SR 2014-15)	Cum	is accorded under head P-1771/14-15 Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/YNL/AA/65/14-15 Dt. 22/10/14 CE(YNL)						
			Vide Item No. 2				**116.74**	**68.04**	**7943.00**
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
		68.04							
9	Miscellaneous charges	L/S							**1675.00**
								Total RS	**2000000.00**
(Rupees Ten lakhs only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

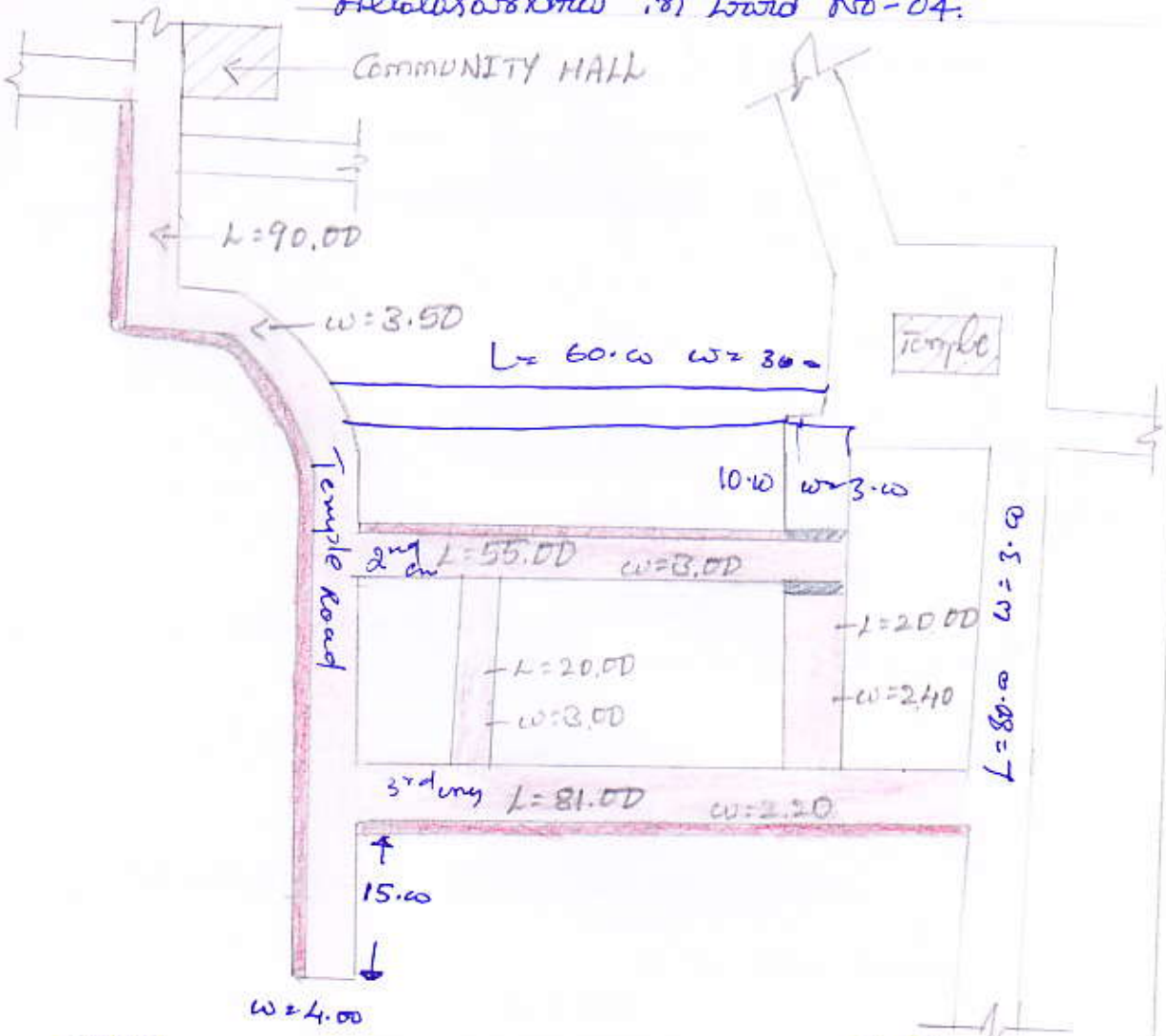
Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

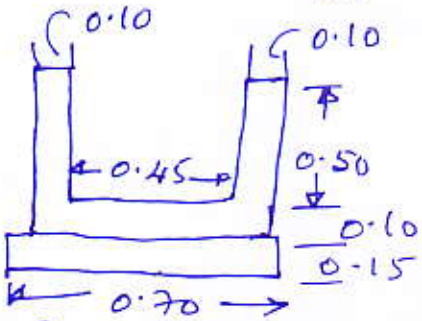
Executive Engineer
Yelahanka Division
Bangalore-64

TECHNICALLY SANCTIONED FOR Rs. 20.00 lakhs
Rupees Twenty Lakhs only
Under P-1771
Registered as CE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. ...../9/
Dt. ..... Estimate A/ Sanctioned
EE/YNL/TS/92/14-15 No.
Dated 28/10/14 Rs. 20.00 lakh

Executive Engineer

(3) Name of work:: Construction of drains and Concrete roads in Allalasandra in ward no-04.





R.C.C. DRAIN

INDEX:

- R.C.C Drain
- C.C Road
- Culverts

K.M. Hallikeri

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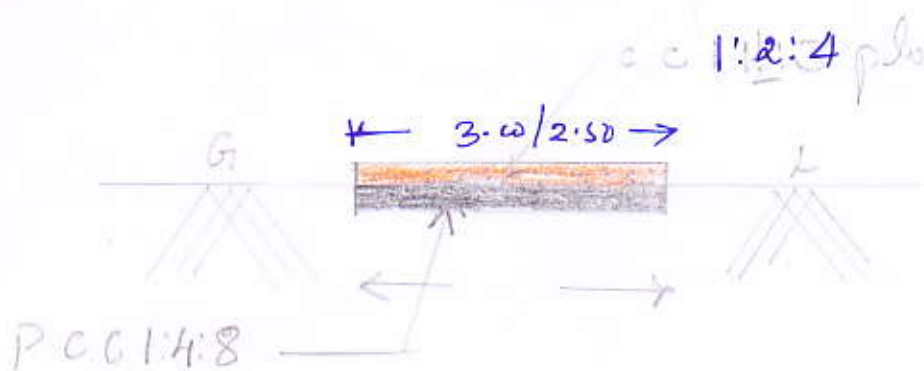
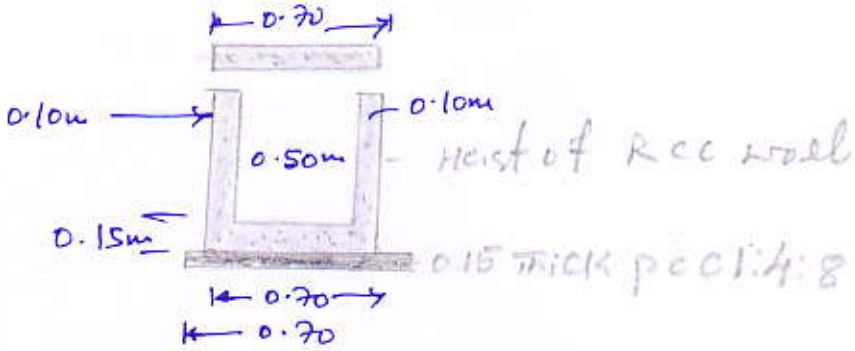
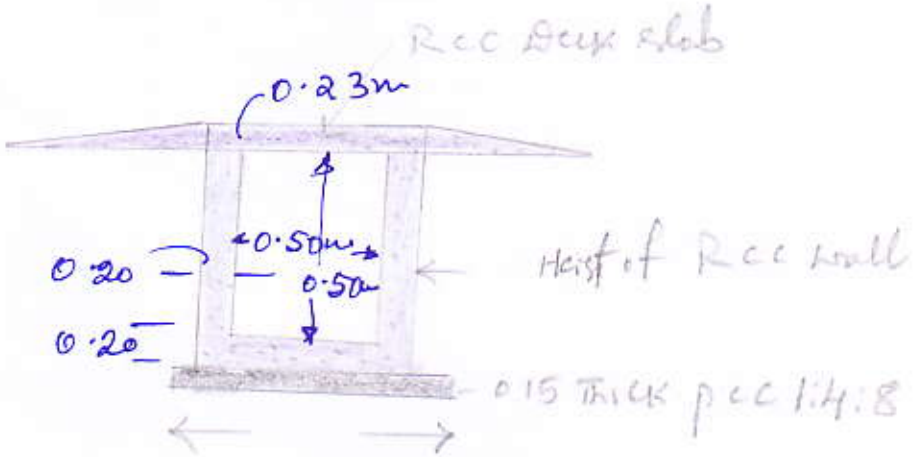


CROSS SECTION OF CC Road



CROSS SECTION OF DRAIN



CROSS SECTION OF Culvert

K.M Hallur
AE